

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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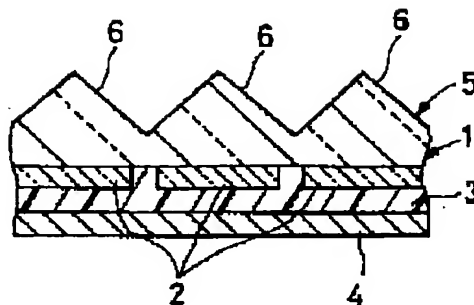
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APPLICANT : CASIO COMPUT CO LTD;

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G09F 13/22 G09G 3/12

TITLE : ELECTROLUMINESCENCE ELEMENT



ABSTRACT : PROBLEM TO BE SOLVED: To suppress the interference of light between pixels to obtain a clear image.

SOLUTION: A transparent electrode 2 is formed on the surface of an organic light emitting layer 3 which excites and emits light by the bonding of electrons or positive holes on the inside by applying an electric field, a back plate 4 is formed on the back surface of the organic light emitting layer 3, and a micro- prism 6 which refracts light emitted in the organic light emitting layer 3 in the direction almost parallel to the normal line is arranged to form a micro- prism element 5. When an electric field is applied to between the transparent electrode 2 and the back plate 4 and the organic light emitting layer 3 emits light, light emitted in the organic light emitting layer 3 passes through the transparent electrode 2 as divergent light, and is incident in the micro-prism element 5, and the outgoing direction of light is restricted in the direction almost parallel to the normal line with the micro-prism of the micro-prism element 5, the refraction of light between adjacent pixels is prevented, and a clear image can be obtained.

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